

Glencoe Pre-Algebra, KY Edition

Glencoe Pre-Algebra is a key program in our vertically aligned high school mathematics series developed to help all students achieve a better understanding of mathematics and improve their mathematics scores on today's high-stakes assessments.. This program ensures complete and in-depth coverage of the Kentucky Combined Curriculum, including the Program of Studies and the Related Core Content for Assessment, by providing a pacing guide, correlations, Countdown to the KCCT, and standards written out at point of use in each lesson.

| Teacher Edition | |
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| 0078885248 | \$93.00 |
| Glencoe Pre-Algebra, KY Edition | |
| Essential Items | |
| Ancillary Items | |
| Free with Purchase items | |
| 0078743400 Professional Development, DVD Video Workshop | \$149.97 |
| Free Per School, Print Option Only | |
| 0078746450 Scanner | |
| Free Per School (Ratio 1 free Per 250 Student Editions Purchased): Print Option Only (NOT AVAILABLE) | |
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| Free Per Teacher, Print Option Only | |
| 0078906717 Mastering the KCCT | \$3.99 |
| Choice B: Choose 1 of 2 items per student, Print Option Only (1st year of adoption, subsequent years | |
| 0078906725 Mastering the KCCT, Teacher Annotated Edition | \$19.98 |
| Free Per Teacher, Print Option Only | |
| 0078907403 Practice Workbook | \$3.99 |
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| 0078907446 Practice Workbook, Spanish | \$3.99 |
| Free Per School, Print Option Only | |
| 0078907470 Spanish Assessment Masters | \$19.50 |
| Free Per School, Print Option Only | |
| 0078907497 Noteables: Interactive Study Notebook with Foldables, Teacher | \$28.50 |

ISBN**007888523X**Contract Price

\$63.99

Grade

8

TYPE

P1

Copyright

2010

Author

Malloy, et al

Edition

1

Content

Pre-Algebra

Readability

7.8 Dale Chall

Accessibility

Nimas

Research

www.glencoe.com

Glencoe Pre-Algebra, KY Edition

Free Per Teacher, Print Option Only

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|------------|-----------------------------|----------|
| 0078915228 | ExamView® Assessment CD-ROM | \$169.98 |
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Free Per Teacher, Print & Tech Option

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| 0078915236 | Interactive Classroom | \$99.00 |
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Free Per Teacher, Print & Tech Option

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|------------|-----------------------------|----------|
| 0078920973 | Teacher Classroom Resources | \$189.00 |
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Free per Teacher, Print Option Only & Free Per School, Tech Option Only

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| 0078921112 | KY StudentWorks™ Plus CD-ROM | \$81.99 |
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Choice of Either DVD or CD-ROM format, Free per Student, Print & Tech Options

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|------------|---------------------------|---------|
| 0078921120 | KY StudentWorks™ Plus DVD | \$81.99 |
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Choice of Either DVD or CD-ROM format, Free per Student, Print & Tech Options

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

| | | | | |
|---------------------------|--|------------------------|--|--|
| Provided by the Publisher | ISBN 007888523X | | Publisher - Glencoe/McGraw-Hill | |
| | Glencoe Pre-Algebra, KY Edition | | | |
| | Type - P1 | Author - Malloy, et al | | |
| | Copyright - 2010 | Edition - 1 | Readability - 7.8 Dale Chall | |
| | Course - Pre-Algebra | | Grade(s) - 8 | |
| | Teacher Edition ISBN if applicable0078885248 | | | |

| | |
|--|---|
| Overall Recommendation: Overall Strengths, Weaknesses, Comments: The text is closely connected to the 8th grade KY Program of Studies. | Recommended as BASAL if this box is not checked, the evaluators have chosen NOT recommend as basal |
|--|---|

NIMAC Accessibility N
 Ancillary No
 Free with Purchase Yes
 Research Yes www.glencoe.com

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CRITERIA

This basal resource ...

| | |
|---|-----------------|
| A. Encompasses KY Content Standards & Grade Level Expectations Strong Evidence | |
| Text is designed to be used in an elective course outside the Program of Studies | |
| 1) Includes the 5 Big Ideas of mathematics to the following extent: | |
| a) Number Properties and Operations | Strong Evidence |
| b) Measurement | Strong Evidence |
| c) Geometry | Strong Evidence |
| d) Data Analysis and Probability | Strong Evidence |
| e) Algebraic Thinking | Strong Evidence |
| 2) Addresses content-specific enduring understandings from the related Program of Studies standards. | |
| | Strong Evidence |
| 3) Addresses content-specific skills and concepts from the related Program of Studies standards. | |
| | Strong Evidence |

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|---|-----------------|
| 4) Content addressed is current, relevant and non-trivial | Strong Evidence |
| 5) Provides opportunities for critical thinking/reasoning | Strong Evidence |
| 6) Strengths, Weaknesses, Comments: <ul style="list-style-type: none"> • Specific strengths-which areas/concepts are covered exceptionally well? • Specific weaknesses-which areas/concepts would likely require supplementing? <p>The Number and Operations strand is very strong. The only weakness that I can perceive is that there is little use of order of operations with exponents.</p> <p>The Geometry strand is strong. One area that will require supplementing is transformation of figures with center of dilation at the origin. This is present, but limited practice specifically with center at the origin. Also note that description and examples of basic geometric elements is not included in the general lessons, but can be found in the Concepts and Skills Bank located in the back of the book. The discussion of congruence and similarity of pre-images and images of dilations is present, but limited.</p> <p>The Data Analysis and Probability stand is very strong, however, it will be necessary to supplement on the topics of “explain how misleading representations affect interpretations and conclusions about data” and “explain how data gathering, bias issues or faulty data analysis can affect the results of data collection, data representation and data interpretation.</p> | |

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| B. Functionality & Suitability | Strong Evidence |
| 1) Suitability <ul style="list-style-type: none"> • Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind. | Strong Evidence |
| 2) Content quality <ul style="list-style-type: none"> • Free from factual errors • Content is presented conceptually when possible—more than a mere collection of facts • Content included accurately represents the knowledge base of the discipline • Theories/scientific models contained represent a broad consensus of the scientific community • Interconnections among mathematical topics | Strong Evidence |
| 3) Connections to Literacy <ul style="list-style-type: none"> • Employs a variety of reading levels and is grade/level appropriate • Use of multiple representations-concrete, visual/spatial, graphs, charts, etc. • Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles. • Student text provides opportunity to integrate reading and writing • Uses vocabulary that is age and content appropriate • Focuses on critical vocabulary vs. extensive lists • Identifies key vocabulary through definitions in both text and glossary • The text is engaging and facilitates learning • Embedded activities enhance the understanding of the text <p><i>Note: may apply to either student or teacher editions</i></p> | Strong Evidence |

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| 4) Connections to Technology | Strong Evidence |
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- Integrates technology and reflects the impact of technological advances
- Uses technology in the collection and/or manipulation of authentic data
- Embeds web links as a mathematics resource.

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| 5) Support for Diverse Learners | Strong Evidence |
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- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms
- Challenge for gifted and talented students
- Support for students with learning difficulties

Note: may apply to either student or teacher editions

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| 6) Strengths, Weaknesses, Comments: |
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- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The teacher edition provides many support options for diverse learners including intervention planners, extensions, and a guide to differentiating homework assignments. Please note that some resources associated with the interventions require the use of ancillary materials.

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| C. Supports Inquiry and Skill Development | Strong Evidence |
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| 1) Promotes Inquiry, research and Application of Learning | Strong Evidence |
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- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.

Note: may apply to either teacher or student edition

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| 2) Skill Development | Strong Evidence |
|-----------------------------|------------------------|

- Provides opportunities to make sense of all mathematics
 - Provides opportunities to recognize, create, and extend patterns.
 - Provides opportunities for critical thinking and reasoning.
 - Provides opportunities to justify/prove responses.
 - Provides opportunities to ask deeper questions.
-

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

This is available through labs, explorations, extensions and H.O.T. problems.

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| D. Supports Best Practices of Teaching and Learning | Strong Evidence |
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1) Engages Students

Strong Evidence

- Includes content geared to the needs, interests, and abilities of all students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated

Note: may apply to either teacher or student edition

2) Uses Assessment to Inform Instruction

Strong Evidence

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

Text contains formative assessment opportunities including pre-test, spiral reviews, mid-chapter tests, lesson-by-lesson study guide and review, and practice tests (multiple choice, short answer/extended response, and KCCT chapter practice test).

Self-check quizzes are available on-line.

Text includes KCCT-like practice problems in each lesson in addition to a 20-week KCCT practice countdown section.

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| E. Has an Organization/ Format that Supports Learning and Teaching | Strong Evidence |
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1) Organizational Quality

Strong Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
 - Presents chapters/lessons in an organized and logical sequence
-

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size
- Included media are durable, easy to use and have technical merit
- Construction appears to be durable and able to withstand normal use

2) Essential Components (beyond student and teacher text)

Strong Evidence

- Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

[Click here to enter text.](#)

F. Has available Ancillary/ Gratis Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

Strong Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving
- Provides opportunities for intervention.

2) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Ancillary materials include items such as Teaching with Manipulatives, supplementary handouts (e.g. enrichment and study guide/review), and Chapter Resource Masters which include leveled chapter test and unit test.
